



# CDF Operations Report

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March 15, 2004

All Experimenters Meeting



## This Week's Stores

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Date	Store	Inst Lum (initial)	Delivered Lum [nb <sup>-1</sup> ]	Lum to tape nb <sup>-1</sup> (ε)	Comment
Su 3/7	3277	61.8e30	3049	2665 (87%)	<b>E-logs</b>
Tu 3/9	3283	63.9e30	2169	1817 (84%)	<b>Power glitch recovery, quench in E1</b>
Th 3/11	3289	50.8e30	2208	1754 (79%)	<b>Trigger test</b>
Sa 3/13	3291	67.3e30	2525	2022 (80%)	<b>Proton losses</b>
Su 3/14	3293	53.5e30	1361	1141 (84%)	<b>Proton losses</b>
Total			11312	9399 (83%)	



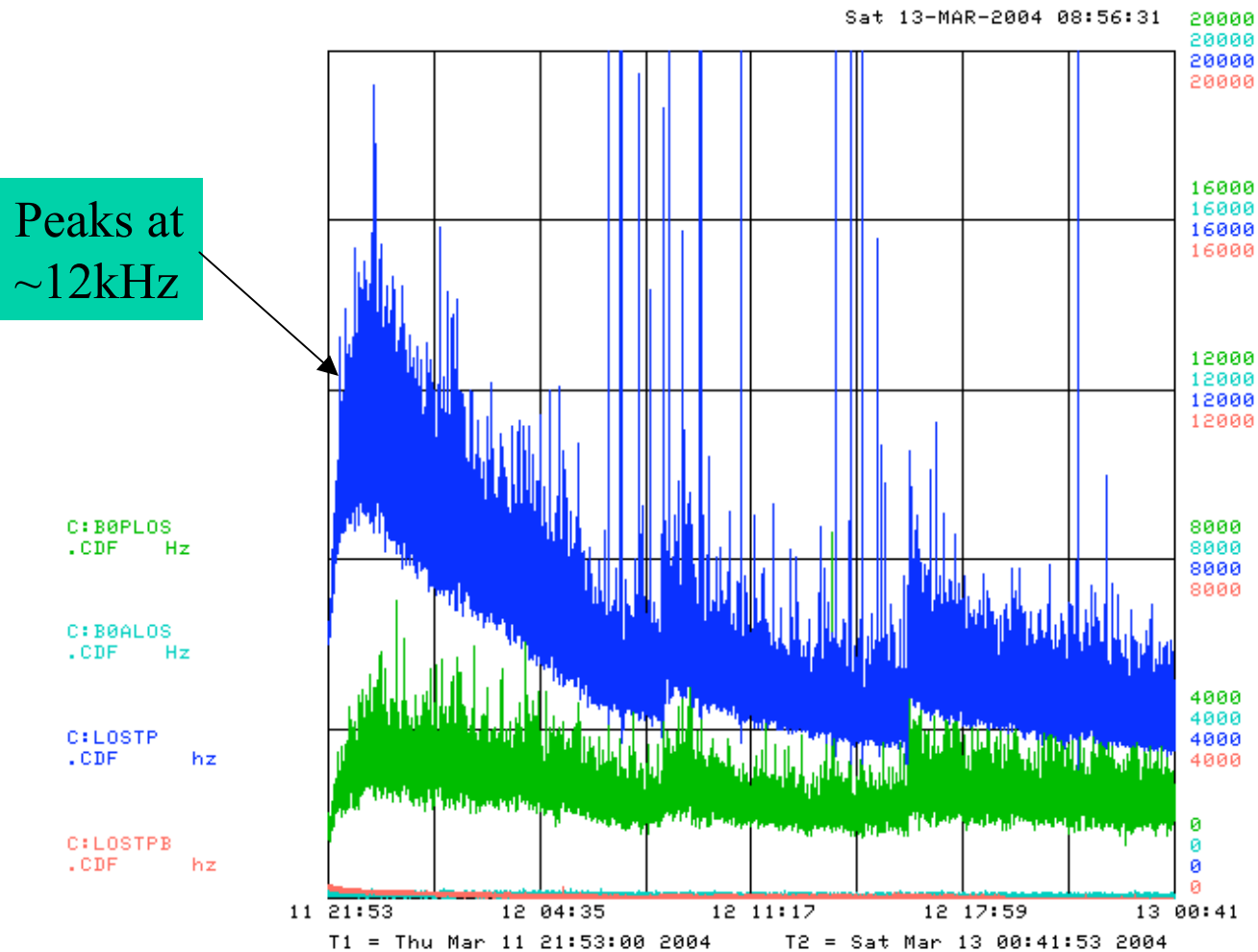
# Tuesday's Power Glitch

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- Sitewide power glitch at about 5:00am Tuesday.
  - Solenoid slow dumped.
  - Silicon cooling alarm → shift crew used crash button to power off the silicon detector.
  - Most computers/electronics not effected.
  - Performed a full detector checkout.
- With everyone's help, we were back taking data at 23:00 Tuesday.



# Proton Losses - Store 3289





# Proton Losses - Store 3293

Peaks at  
~35kHz

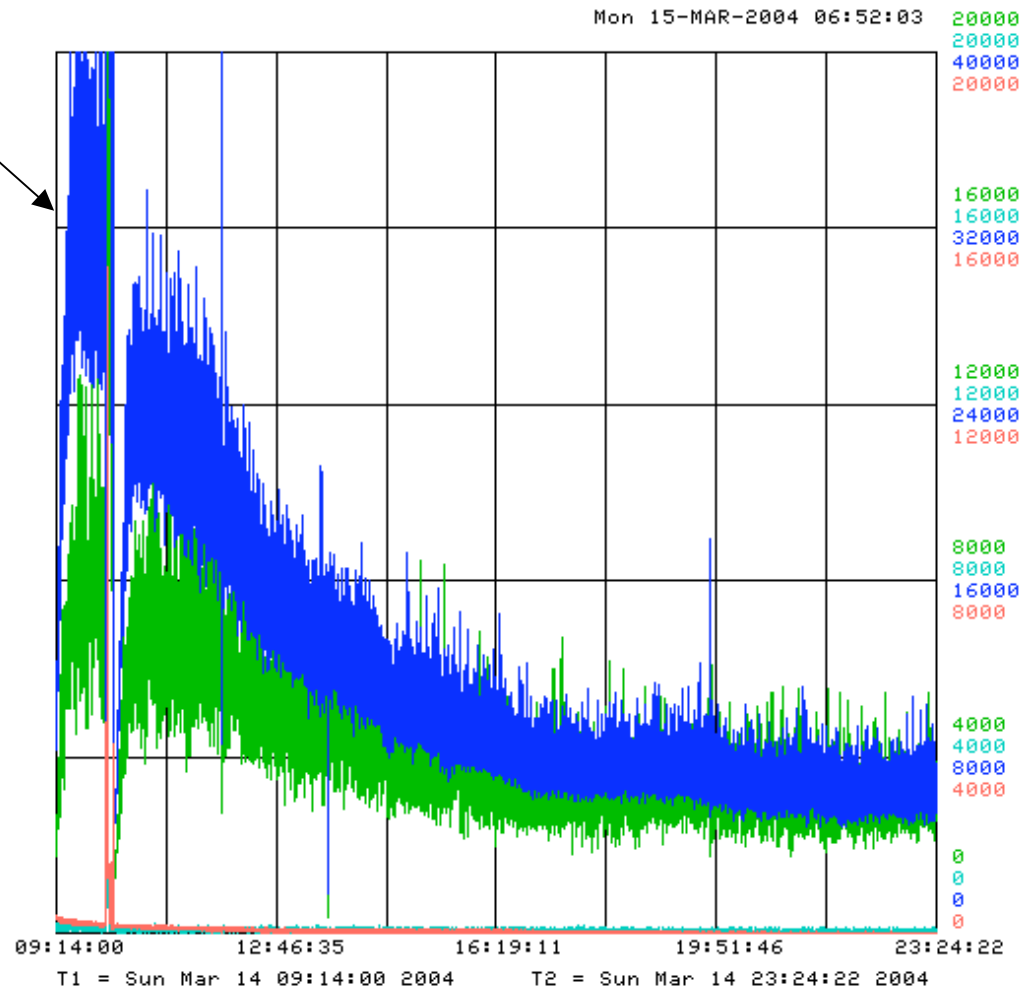
Limits for CDF:  
Silicon: 20kHz  
All: 30kHz

C:\B0PLOS  
.CDF Hz

C:\B0ALOS  
.CDF Hz

C:\LOSTP  
.CDF hz

C:\LOSTPB  
.CDF hz





# Shutdown Work

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- Survey and align the CDF low beta quads.
- Pull and replace some tracking chamber wire planes.
- Install instrumentation and plumbing for gas recirculation system.
- Upgrade to the online switch to allow gigabit ethernet.
- Rearrange L3, CSL, and DAQ computers and cables.
- Miscellaneous detector maintenance work.



## Summary

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- Smooth recovery from the power glitch.
- Numerous trigger tests aimed at improving the bandwidth of the trigger for higher luminosity.
- Good running during the week.
- Higher proton losses seen at the beginning of stores on Saturday or Sunday.
- Shutdown work is in progress.